

**Pond Discharge Notification Coversheet (*valve exercise only*)**

**Date: 11/12/08**

**Total pages including coversheet = (1)**

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**From: George Squibb, Rocky Flats Surface Water Lead, Telephone (303) 994-0145**

**Re: Valve exercise notification for Rocky Flats Ponds B-5 and C-2.**

Pre-discharge samples for Ponds B-5 and C-2 were collected on 9/16/08. Valve exercise for Ponds B-5 and C-2 is scheduled to take place on 11/13/08. An annual valve exercise is conducted as a general BMP for dam safety and functionality. An exercise means the Site operates the valves through the full range of travel. This avoids the possibility of the valves seizing up over extended periods of no use. The valves at Pond A-4 were exercised in January 2008; at that time the water level was below the valves.

**The valve exercise at Ponds B-5 and C-2 will be conducted as follows:**

- 1. Close the downstream butterfly valve at the toe of each dam.**
- 2. Open the upstream gate valve (on the upstream face of each dam) to slowly allow water to fill the outlet structure and outlet pipe.**
- 3. Exercise the upstream gate valve through its' full travel (no discharge will occur at this time as the downstream butterfly valve is closed).**
- 4. Fully close the upstream gate valve.**
- 5. Slightly open the downstream butterfly valves to slowly allow the detained water (and pressure) in the structure/pipe to discharge to the channel upstream of the POCs (GS08 at B-5 and GS31 at C-2); the detained water should be approximately 5,500 gals at B-5 and 2,200 gals at C-2.**
- 6. The detained water will be allowed to discharge slow enough so as not to reach the POCs. Normal automated sampling at the POCs will be implemented, though no water is expected. If any water were to reach the POCs the volume would not be enough to collect a composite sample that would be representative of a normal discharge.**

**All available analytical data accompany this notice, and all data show the water quality meets applicable surface-water standards. Although the attachment indicates preliminary data, all data have been validated.**

**Please contact me if you have questions.**

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**PRELIMINARY RESULTS REPORT****RIN: 08091842****Site: Rocky Flats Surface Water****Location: C2 POND****Ticket Number: NFD 751****Report Date: 10/28/2008**

Parameter	Units	Date Sampled	Date Analyzed	Result	Qualifier(s)	Uncertainty	Detection Limit	Method
Americium-241	pCi/L	09/16/2008	10/22/2008	0.0214	U	0.0157	0.0255	Am-05-RC Modified
Uranium-234	pCi/L	09/16/2008	10/22/2008	1.94		0.376	0.333	U-02-RC Modified
Uranium-235/236	pCi/L	09/16/2008	10/22/2008	0.191		0.118	0.183	U-02-RC Modified
Uranium-238	pCi/L	09/16/2008	10/22/2008	1.76		0.356	0.191	U-02-RC Modified
Plutonium-239/240	pCi/L	09/16/2008	10/22/2008	0.0306		0.0128	0.0162	Pu-11-RC Modified

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**PRELIMINARY RESULTS REPORT****RIN: 08091842****Site: Rocky Flats Surface Water****Location: B5 POND****Ticket Number: NFD 755****Report Date: 10/28/2008**

Parameter	Units	Date Sampled	Date Analyzed	Result	Qualifier(s)	Uncertainty	Detection Limit	Method
Uranium-234	pCi/L	09/16/2008	10/22/2008	0.450		0.155	0.323	U-02-RC Modified
Uranium-235/236	pCi/L	09/16/2008	10/22/2008	0.0309	U	0.0429	0.178	U-02-RC Modified
Uranium-238	pCi/L	09/16/2008	10/22/2008	0.325		0.134	0.185	U-02-RC Modified
Americium-241	pCi/L	09/16/2008	10/22/2008	0.0048	U	0.00839	0.0172	Am-05-RC Modified
Plutonium-239/240	pCi/L	09/16/2008	10/22/2008	-0.00467	U	0.0055	0.0124	Pu-11-RC Modified

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**PRELIMINARY RESULTS REPORT****RIN: 08091841****Site: Rocky Flats Surface Water****Location: B5 POND****Ticket Number: NFD 755****Report Date: 10/2/2008**

Parameter	Units	Date Sampled	Date Analyzed	Result	Qualifier(s)	Uncertainty	Detection Limit	Method
NITRATE/NITRITE AS N	MG/L	09/16/2008	09/30/2008	0.062			0.01	EPA353.2

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